



**WELL SEARCH WITHIN A ONE-MILE RADIUS OF THE
L.E. CARPENTER SITE,
WHARTON, NEW JERSEY**

27 MARCH 1991

SUMMARY

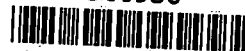
It is unlikely that any of the 34 actual or potential groundwater users within approximately a one-mile radius of LEC are being impacted by any groundwater contamination from the site. This conclusion is based on a review of NJDEP well permits, an investigation of their current status, and an analysis of bedrock and surface topography to estimate the hydraulic position (i.e. upgradient or downgradient) of the well permit with respect to LEC. Figure 1 shows the locations of these well permits. Figure 2 shows WESTON's estimate of those areas upgradient and downgradient of LEC and the location of the well permits. Table 1 summarizes the information for each well permit according to its position, upgradient or downgradient, with respect to LEC and current status according to public tax office, water department, health department, and phone listing information. Table 2 summarizes the same well permit information simply by current status.

BREAKDOWN OF WELL PERMITS BY USE AND LOCATION

Based on these analyses, the following conclusions were reached regarding the well permits:

- Up to seven wells are or may be in use within approximately a one-mile radius of LEC (Wells 9, 10, 11, 15, 16, 17 and 18 as shown on Figures 1 and 2 and listed on Tables 1 and 2).
 - Five are public supply wells, two of which are out-of-service. The remaining two are domestic wells.
 - Three of the public supply wells (Wells 9, 10, and 11) are probably downgradient of the site. NJDEP required monitoring of the three public supply wells shows acceptable water quality as of February 1990 (date of last test). (See Attachment 1)
 - The remaining two public supply wells, Wells 15 and 16, are out of service, and the two domestic wells, Wells 17 and 18, are probably upgradient of the site.
- Thirteen of the addresses listed on well permits as well locations are presently served by public water supplies as indicated by water department billing records. WESTON assumes the residents use the public supply for potable water (Wells 2, 3, 4, 5, 6, 7, 8, 13, 20, 23, 26, 27, and 31).

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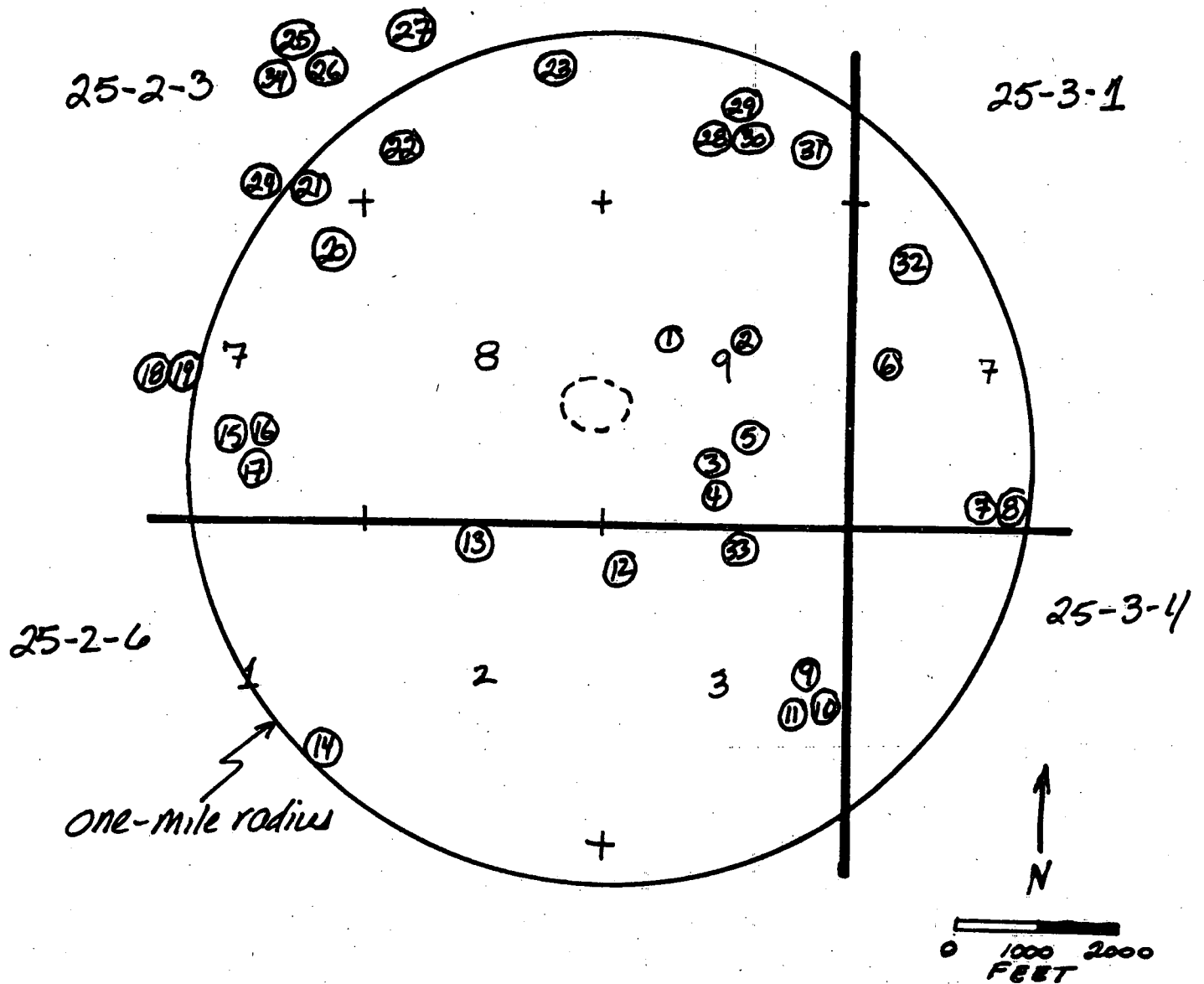
- Five of these well permit locations are probably downgradient of LEC (Wells 2, 3, 4, 5, and 6). Four are domestic well permits and one is an irrigation well permit.
 - The remaining eight well permit locations are probably upgradient of LEC. Six are domestic well permits and two are irrigation well permits.
- Information from the Rockaway Township tax office indicates that two well permits, Wells 21 and 24, are for wells on currently undeveloped property. WESTON assumes they are not in use. Both these well permit location are probably upgradient of LEC.
 - Currently available information from public sources was insufficient to determine the status of 12 well permits. (Wells 1, 12, 14, 19, 22, 25, 28, 29, 30, 32, 33, and 34).
 - Wells 32 and 33 are probably downgradient of LEC. These wells were installed in 1969 and 1960, respectively, and are identified as domestic wells on their permits. They are probably out of use due to their age and lack of current information.
 - The remaining ten wells are probably upgradient of LEC. All are identified as domestic wells but only two, Wells 19 and 25, were installed less than 20 years ago. In addition, the address and phone number could be verified only for Wells 30 and 32. Given the lack of current information and their relatively old age these wells are probably out of use.

METHODS

- 1) Using the NJDEP LORDS (Land Oriented Reference Data System) Coordinate System, the well permits were located on a street map of the area within approximately a one-mile radius of LEC.
- 2) The LORDS Coordinate location was then checked against the street address given as the well location on the well permit.
 - a) If the street passed through the LORDS unit given on the well permit, the street address was considered correct. (See Attachment 1 for explanation of LORDS).
 - b) If the street did not pass through the LORDS unit given on the well permit, the LORDS coordinate was considered incorrect and it was changed based on the street location. WESTON assumes that it is easier to make a mistake with the LORDS coordinate than with the location address.
- 3) The permits were then sorted by municipality and the tax office was contacted to obtain lot and block for the addresses listed on the permits. This was done to verify the address and current owner. Well permits listed under "Insufficient Information to Verify Current Use" failed at this point because of a lack of correct (or any) address on the permit, no phone number listing, and no record of the resident on current tax records.

- 4) Phone listings were then checked to help confirm address.
- 5) All phone correspondence records were included with each well record located under each township category.
- 6) A database was developed to help locate each well owner with missing information to rule out either non-active wells, wells under different ownership, wells that are abandoned, wells upgradient of LEC, or wells not within a one mile radius of site.
- 7) Called water department and health department of each township to determine if well is in use. All phone records are attached to each township group. In this step addresses and locations on permits were identified to determine if well owner is currently using municipal water supply.
- 8) Using the latitude and longitude of the LORDS blocks from LORDS atlas sheet 25, the well locations were transferred to a map of the surficial geology of the Warton, N.J. area (Surficial Geologic Map of the Dover Quadrangle, Morris and Sussex Counties, New Jersey, NJGS Map 89-2).
- 9) The 550-foot bedrock topographic and 640-foot surface topographic contours pass through LEC and were outlined to help define areas upgradient and downgradient of LEC.
- 10) As shown in Figure 2, most of the wells located within one mile of LEC are upgradient of both the 550-foot bedrock and surface 640-foot surface contours. These wells are listed as upgradient on Table 1. Those wells downgradient of the 640-foot surface topography contour were classified as downgradient as listed on Table 1.

WESTON.



APPROXIMATE OUTLINE OF L.E. CARPENTER

(20)

NJDEP WELL PERMIT LOCATION AND MAP KEY NUMBER
(LOCATIONS ARE APPROXIMATE)

25-2-6

LORDS SHEET-BLOCK-RECTANGLE

6

LORDS SQUARE NUMBER

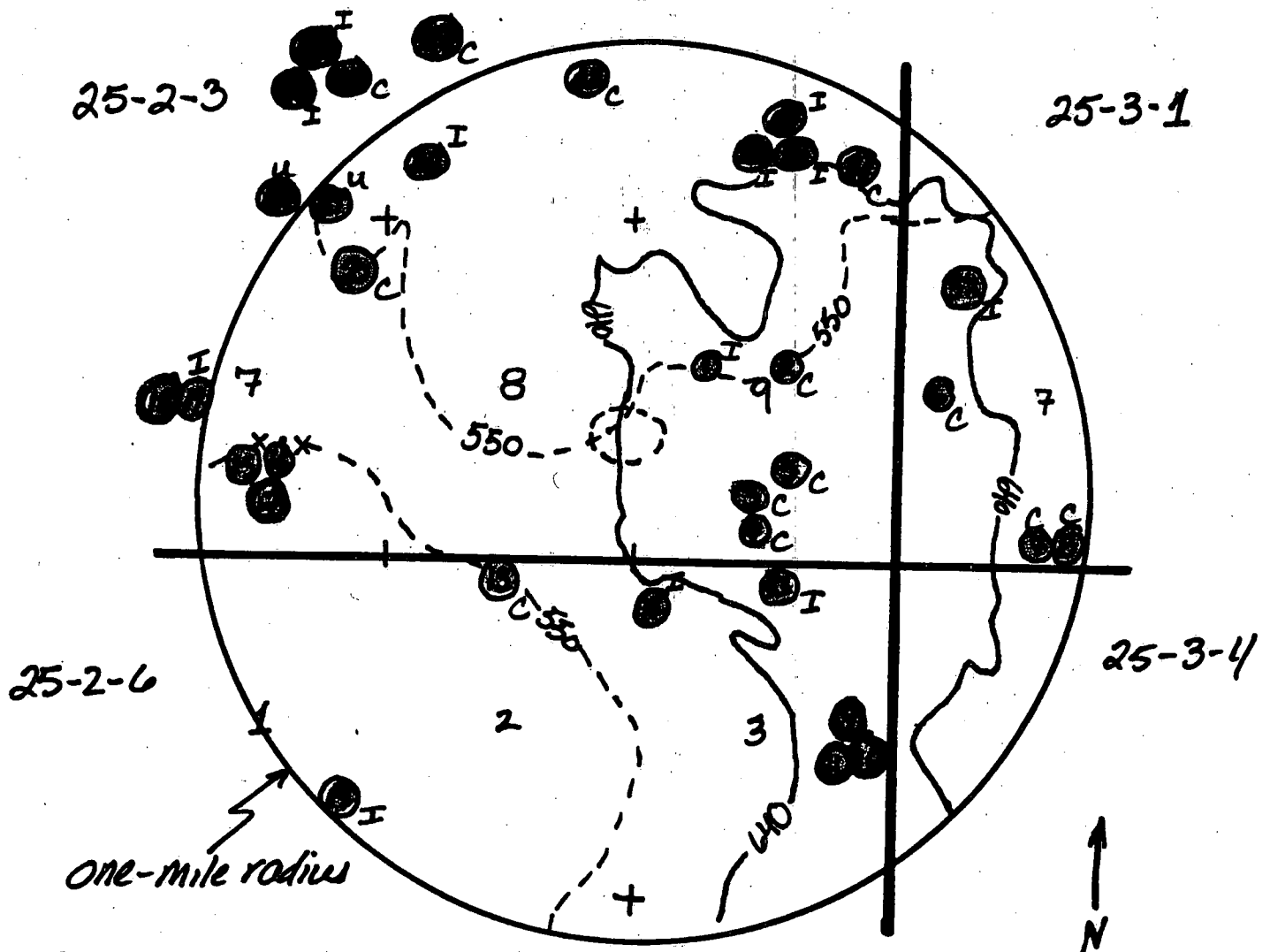
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DIVIDER BETWEEN LORDS SQUARES

L.E. CARPENTER
3600-04-51

FIGURE 1: LOCATION OF WELL PERMITS WITHIN A ONE-MILE RADIUS OF L.E. CARPENTER

WESTON.



- Downgradient
- Upgradient
- In Use or Maybe in Use
- I Insufficient Data
- C City Water
- X Out of Service
- U Undeveloped Property

640

SURFACE TOPOGRAPHIC CONTOUR

550

BEDROCK TOPOGRAPHIC CONTOUR



TOPOGRAPHICALLY UPGRADIENT OF L.E. CARPENTER

SOURCE:

"SURFICIAL GEOLOGIC MAP OF THE DOVER QUADRANGLE, MORRIS AND SUSSEX COUNTIES, NEW JERSEY." NUGS MAP 89-2, 1989

L.E. CARPENTER
3600-04-51

FIGURE 2: ESTIMATE OF UP-GRADIENT AND DOWN-GRADIENT AREAS AROUND L.E. CARPENTER BASED ON TOPOGRAPHY

TABLE 1
 SUMMARY OF WELL LOCATIONS WITHIN ONE MILE RADIUS OF
 L.E. CARPENTER, CO., WHARTON, NEW JERSEY

MAP ID	OWNER	OWNER ADDRESS	WELL LOCATION	USE	DATE CONSTRUCTED	STATUS/COMMENTS
WELL IS DOWNGRAIENT OF L.E. CARPENTER BASED ON BEDROCK AND SURFACE TOPOGRAPHY.						
Current information indicates that these wells are in use.						
9	Dover Twp. Exempt	37 N. Sussex St., Dover, NJ 07801	Dover	P	01-Apr-66	Well #1: In use, Princeton Ave. Well Field, Dover.
10	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Dover	P	16-Apr-71	Well #3: In use, Princeton Ave. Well Field, Dover.
11	Dover Twp. Exempt	37 N. Sussex St., Dover, NJ 07801	Dover	P	10-Sep-71	Well #5: In use, Princeton Ave. Well Field, Dover.
Current information indicates that these well owners use city water supply.						
2	Bird, John	284 W. Dewey Ave. Wharton, NJ 07885	Rockaway	D	29-Nov-71	Water Dept. billing records indicate address is served by city water supply.
3	Casey, Julia	296 W. Dewey Ave. Wharton NJ 07885	Rockaway	D	03-Jul-72	Water Dept. billing records indicate address is served by city water supply.
4	Casey, Julia	296 W. Dewey Ave. Wharton, NJ 07885	Rockaway	D	26-Sep-80	Water Dept. billing records indicate address is served by city water supply.
5	Townsquare Nursery	420 Rt. 15, Dover, NJ 07801	Rockaway	I	21-May-85	Water Dept. billing records indicate address is served by city water supply.
6	Galantio, William	2 Lewis St., Wharton, NJ 07885	Rockaway	D	30-Apr-87	Water Dept. billing records indicate address is served by city water supply.
Current information insufficient to determine well use status.						
32	Lamont, Jack W.	97 Cayuga Ave. Rockaway, NJ 07885	Mt. Hope	D	11-Dec-69	Insufficient information from permit to locate owner and well.
33	Shamrock Oil Co.	Rte #15, Wharton, NJ 07885	NA	D	21-Jun-60	Insufficient information from permit to locate owner and well.
WELL IS UPGRADIENT OF L.E. CARPENTER BASED ON BEDROCK AND SURFACE TOPOGRAPHY.						
Current information indicates that these wells are in use.						
15	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Wharton	P	08-Sep-53	Well #1: TCE contaminated, Not in use.
16	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Wharton	P	21-Dec-60	Well #2: TCE contaminated, Not in use.
17	Csahla, John	Box 534, Union Tpk, Wharton, NJ 07885	Rockaway	D	02-Jun-76	Rockaway Twp. Water Dept. reports well at address is in use.
18	Stickie, John	Box 456, R.D.#3, Wharton, NJ 07885	Rockaway	D	06-Nov-69	Rockaway Twp. Water Dept. reports well at address is in use.
Current information indicates that these well owners use city water supply.						
7	Townsquare Village	1325 Morris Ave, Union, NJ 07083	Rockaway	I	15-Sep-88	Water Dept. billing records indicate address is served by city water supply.
8	Townsquare Village	1325 Morris Ave, Union, NJ 07083	Rockaway	I	19-Sep-88	Water Dept. billing records indicate address is served by city water supply.
13	Katermann, William	Mt. Fern, Dover, NJ 07801	Wharton	D	14-Apr-58	Water Dept. billing records indicate address is served by city water supply.
20	Dakos, Joseph	325 Union Tpk., Wharton, NJ 07885	Wharton	D	13-Sep-62	Water Dept. billing records indicate address is served by city water supply.
23	Szpilosy, Ludwig	Richard Mine Rd. Wharton, NJ 07885	Wharton	D	21-Dec-63	Water Dept. billing records indicate address is served by city water supply.
26	Carper, Arthur	Box 262, R.D.#1, Wharton, NJ 07885	Rockaway	D	06-Nov-59	Water Dept. billing records indicate address is served by city water supply.
27	Unick, Walter	260 Union Tpk., Wharton, NJ 07885	Wharton	D	27-Nov-59	Water Dept. billing records indicate address is served by city water supply.
31	Rizzo, Philip N.	446 Morris Ave. Springfield, NJ	Rockaway	D	04-Dec-70	Water Dept. billing records indicate address is served by city water supply.
Current information indicates that these wells are not in use.						
21	Highland of Morris	160 Littleton Rd., Parsippany, NJ	Rockaway	D	12-Aug-87	Vacant lot, Health Dept. reports city water hook-up available.
24	Highland of Morris	160 Littleton Rd., Parsippany, NJ	Rockaway	D	11-Nov-86	Vacant lot, Health Dept. reports city water hook-up available.
Current information insufficient to determine well use status.						
1	Ballard, John	Roxbury Township, NJ 07885	NA	D	27-Nov-60	Insufficient information from permit to locate owner and well.
12	Mooney, Samuel	Roxbury Township, NJ 07885	NA	D	22-Jun-57	Insufficient information from permit to locate owner and well.
14	Knutson, Arthur	16 Maple Terr., Wharton, NJ 07885	Mine Hill	D	17-Jul-61	Insufficient information from permit to locate owner and well.
19	Vitale Bros. Bldrs.	39 Normandy Pl., Irvington, NJ	Rockaway	D	11-Sep-72	Insufficient information from permit to locate owner and well.
22	Foxcraft Motors	Rt. 15, Wharton, NJ 07885	NA	D	09-Sep-66	Insufficient information from permit to locate owner and well.
25	Regan, Jack & Barbara	60 Venetian Dr., Lake Hopatcong, NJ	Mine Hill	D	13-Jan-87	Insufficient information from permit to locate owner and well.
28	Samuels & Sons, Joseph	P.O. Box 623 Morristown, NJ	Rockaway	D	25-Jul-61	Insufficient information from permit to locate owner and well.
29	Garie, Joseph	Wharton, NJ 07885	Rockaway	D	01-Oct-59	Insufficient information from permit to locate owner and well.
30	Donnelly, William	89 W. Central St., Wharton, NJ 07885	Mt. Hope	D	12-Apr-61	Insufficient information from permit to locate owner and well.
34	Popovitch, Andrew	Union Tpk., Wharton, NJ 07885	Rockaway	D	04-Dec-64	Insufficient information from permit to locate owner and well.

* : Corrected Lords coordinate for accurate well location that is incorrect on well record.
 D : Domestic Well.
 P : Public Supply Well.

I : Irrigation Well.
 NL : Telephone number not listed with local directory assistance.

DATE: 06-Mar-91
 WO#: 3600-04-51

TABLE 2
 SUMMARY OF WELL OWNER AND USAGE INFORMATION WITHIN ONE MILE RADIUS OF
 L.E. CARPENTER, CO., WHARTON, NEW JERSEY

Page 2 of 3.

MAP ID	OWNER	WELL LOCATION	USE	DATE CONSTRUCTED	WELL USE COMMENTS
Current information indicates that these wells are in use.					
9	Dover Twp. Exempt	Dover	P	01-Apr-66	Well #1: In use, Princeton Ave. Well Field, Dover.
10	Borough of Wharton	Dover	P	16-Apr-71	Well #3: In use, Princeton Ave. Well Field, Dover.
11	Dover Twp. Exempt	Dover	P	10-Sep-71	Well #5: In use, Princeton Ave. Well Field, Dover.
15	Borough of Wharton	Wharton	P	08-Sep-53	Well #1: TCE contaminated, Not in use.
16	Borough of Wharton	Wharton	P	21-Dec-60	Well #2: TCE contaminated, Not in use.
17	Csohla, John	Rockaway	D	02-Jun-76	Rockaway Twp. Water Dept. reports well at address is in use.
18	Stickle, John	Rockaway	D	06-Nov-69	Rockaway Twp. Water Dept. reports well at address is in use.
Current information indicates that these well owners use city water supply.					
2	Bird, John	Rockaway	D	29-Nov-71	Water Dept. billing records indicate address is served by city water supply.
3	Casey, Julia	Rockaway	D	03-Jul-72	Water Dept. billing records indicate address is served by city water supply.
4	Casey, Julia	Rockaway	D	26-Sep-80	Water Dept. billing records indicate address is served by city water supply.
5	Townsquare Nursery	Rockaway	I	21-May-85	Water Dept. billing records indicate address is served by city water supply.
6	Galantio, William	Rockaway	D	30-Apr-87	Water Dept. billing records indicate address is served by city water supply.
7	Townsquare Village	Rockaway	I	15-Sep-88	Water Dept. billing records indicate address is served by city water supply.
8	Townsquare Village	Rockaway	I	19-Sep-88	Water Dept. billing records indicate address is served by city water supply.
13	Katermann, William	Wharton	D	14-Apr-58	Water Dept. billing records indicate address is served by city water supply.
20	Dakos, Joseph	Wharton	D	13-Sep-62	Water Dept. billing records indicate address is served by city water supply.
23	Szpllosy, Ludwig	Wharton	D	21-Dec-63	Water Dept. billing records indicate address is served by city water supply.
26	Carper, Arthur	Rockaway	D	06-Nov-59	Water Dept. billing records indicate address is served by city water supply.
27	Unick, Walter	Wharton	D	27-Nov-59	Water Dept. billing records indicate address is served by city water supply.
31	Rizzo, Philip N.	Rockaway	D	04-Dec-70	Water Dept. billing records indicate address is served by city water supply.
Current information indicates that these wells are not in use.					
21	Highland of Morris	Rockaway	D	12-Aug-87	Vacant lot, Health Dept. reports city water hook-up available.
24	Highland of Morris	Rockaway	D	11-Nov-86	Vacant lot, Health Dept. reports city water hook-up available.
Current information insufficient to determine well use status.					
1	Ballard, John	NA	D	27-Nov-60	Insufficient information from permit to locate owner and well.
12	Mooney, Samuel	NA	D	22-Jun-57	Insufficient information from permit to locate owner and well.
14	Knutsen, Arthur	Mine Hill	D	17-Jul-61	Insufficient information from permit to locate owner and well.
19	Vitale Bros. Bldrs.	Rockaway	D	11-Sep-72	Insufficient information from permit to locate owner and well.
22	Foxcraft Motors	NA	D	09-Sep-66	Insufficient information from permit to locate owner and well.
25	Regan, Jack & Barbara	Mine Hill	D	13-Jan-87	Insufficient information from permit to locate owner and well.
28	Samuels & Sons, Joseph	Rockaway	D	25-Jul-61	Insufficient information from permit to locate owner and well.
29	Garie, Joseph	Rockaway	D	01-Oct-59	Insufficient information from permit to locate owner and well.
30	Donnelly, William	Mt. Hope	D	12-Apr-61	Insufficient information from permit to locate owner and well.
32	Lamont, Jack W.	Mt. Hope	D	11-Dec-69	Insufficient information from permit to locate owner and well.
33	Shamrock Oil Co.	NA	D	21-Jun-60	Insufficient information from permit to locate owner and well.
34	Popovitch, Andrew	Rockaway	D	04-Dec-64	Insufficient information from permit to locate owner and well.

NA - Not Applicable, wells are not plotted on map due to erroneous lords coordinates given on well permit.

D : Domestic Well.
 P : Public Supply Well.
 I : Irrigation Well.

DATE: 06-Mar-91
 JOB#: 3600-04-51

TABLE 2 (CONT.)
 SUMMARY OF WELL LOCATIONS WITHIN ONE MILE RADIUS OF
 L.E. CARPENTER, CO., WHARTON, NEW JERSEY

Page 3 of 3

MAP ID	OWNER	OWNER ADDRESS	WELL LOCATION	LOT	BLOCK	PERMIT #	LORDS COORDS.	USE	DATE CONSTRUCTED	PHONE LISTING
Current information indicates that these wells are in use.										
9	Dover Twp. Exempt	37 N. Sussex St., Dover, NJ 07801	Dover	2	6-01	25-16024	25-2-636	P	01-Apr-66	(201)366-2200
10	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Dover	2	6-01	25-15799	25-2-636	P	16-Apr-71	(201)366-3593
11	Dover Twp. Exempt	37 N. Sussex St., Dover, NJ 07801	Dover	2	6-01	25-16024	25-2-636	P	10-Sep-71	(201)366-2200
15	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Wharton	NA	NA	25-2178	25-2-378	P	08-Sep-53	(201)366-3593
16	Borough of Wharton	10 Roberts St., Wharton, NJ 07885	Wharton	NA	NA	25-8675	25-2-378	P	21-Dec-60	(201)366-3593
17	Csohla, John	Box 534, Union Tpk, Wharton, NJ 07885	Rockaway	NA	NA	25-18454	25-2-378	D	02-Jun-76	NL
18	Stickie, John	Box 456, R.D.#3, Wharton, NJ 07885	Rockaway	NA	NA	25-1540	25-2-374	D	06-Nov-69	NL
Current information indicates that these well owners use city water supply.										
2	Bird, John	284 W. Dewey Ave. Wharton, NJ 07885	Rockaway	2	11506	25-16185	25-2-395*	D	29-Nov-71	NL
3	Casey, Julia	296 W. Dewey Ave. Wharton, NJ 07885	Rockaway	6	11505	25-16470	25-2-398*	D	03-Jul-72	(201)366-2690
4	Casey, Julia	296 W. Dewey Ave. Wharton, NJ 07885	Rockaway	6	11505	25-21618	25-2-398*	D	26-Sep-80	(201)366-2690
5	Townsquare Nursery	420 Rt. 15, Dover, NJ 07801	Rockaway	5	10901	25-24993	25-2-398	I	21-May-85	(201)366-8676
6	Galantio, William	2 Lewis St., Wharton, NJ 07885	Rockaway	5	11506	25-29370	25-3-174	D	30-Apr-87	(201)366-5026
7	Townsquare Village	1325 Morris Ave, Union, NJ 07083	Rockaway	1.01	11004	25-32121	25-3-178	I	15-Sep-88	NL
8	Townsquare Village	1325 Morris Ave, Union, NJ 07083	Rockaway	1.01	11004	25-32122	25-3-178	I	19-Sep-88	NL
13	Katermann, William	Mt. Fern, Dover, NJ 07801	Wharton	NA	NA	25-7581	25-2-622	D	14-Apr-58	(201)366-1781
20	Dakos, Joseph	325 Union Tpk., Wharton, NJ 07885	Wharton	NA	NA	25-10846	25-2-373	D	13-Sep-62	(201)366-8196
23	Szpilosy, Ludwig	Richard Mine Rd. Wharton, NJ 07885	Wharton	NA	NA	25-11728	25-2-356	D	21-Dec-63	NL
26	Carper, Arthur	Box 262, R.D.#1, Wharton, NJ 07885	Rockaway	NA	NA	25-8986	25-2-346	D	06-Nov-59	NL
27	Unick, Walter	260 Union Tpk., Wharton, NJ 07885	Wharton	NA	NA	25-8964	25-2-354	D	27-Nov-59	(201)366-2062
31	Rizzo, Philip N.	446 Morris Ave. Springfield, NJ	Rockaway	NA	NA	25-15748	25-2-369	D	04-Dec-70	NL
Current information indicates that these wells are not in use.										
21	Highland of Morris	160 Littleton Rd., Parsippany, NJ	Rockaway	47	11501	25-29036	25-2-349	D	12-Aug-87	NL
24	Highland of Morris	160 Littleton Rd., Parsippany, NJ	Rockaway	47	11501	25-29036	25-2-348	D	11-Nov-86	NL
Current information insufficient to determine well use status.										
1	Ballard, John	Roxbury Township, NJ 07885	NA	NA	NA	25-9608	25-2-394	D	27-Nov-60	NL
12	Mooney, Samuel	Roxbury Township, NJ 07885	NA	NA	NA	25-6669	25-2-631	D	22-Jun-57	NL
14	Knutsen, Arthur	16 Maple Terr., Wharton, NJ 07885	Mine Hill	NA	NA	25-10074	25-2-619	D	17-Jul-61	NL
19	Vitale Bros. Bldrs.	39 Normandy Pl., Irvington, NJ	Rockaway	NA	NA	25-16494	25-2-376	D	11-Sep-72	NL
22	Foxcraft Motors	Rt. 15, Wharton, NJ 07885	NA	NA	NA	25-13996	25-2-357	D	09-Sep-66	NL
25	Regan, Jack & Barbara	60 Venetian Dr., Lake Hopatcong, NJ	Mine Hill	3-4	1807	25-28911	25-2-346	D	13-Jan-87	NL
28	Samuels & Sons, Joseph	P.O. Box 623 Morristown, NJ	Rockaway	NA	NA	25-10078	25-2-368	D	25-Jul-61	NL
29	Garie, Joseph	Wharton, NJ 07885	Rockaway	NA	NA	25-3681	25-2-368	D	01-Oct-59	NL
30	Donnelly, William	89 W. Central St., Wharton, NJ 07885	Mt. Hope	NA	NA	25-9905	25-2-368	D	12-Apr-61	(201)770-2583
32	Lamont, Jack W.	97 Cayuga Ave. Rockaway, NJ 07885	Mt. Hope	NA	NA	25-15430	25-3-171	D	11-Dec-69	(201)366-8364
33	Shamrock Oil Co.	Rte #15, Wharton, NJ 07885	NA	NA	NA	25-9366	25-2-632	D	21-Jun-60	NL
34	Popovitch, Andrew	Union Tpk., Warton, NJ 07885	Rockaway	NA	NA	25-12550	25-2-349	D	04-Dec-64	NL

NA : Information not available.

* : Reflects Lords coordinate corrected for accurate well location that is incorrect on well record.

D : Domestic Well.

P : Public Supply Well.

I : Irrigation Well.

NL : Telephone number not listed with
 local directory assistance.

ATTACHMENT 1

Analytical Reports for Wells 9, 10 and 11

New Jersey Department of Environmental Protection
Division of Water Resources — Bureau of Safe Drinking Water
CN 029, Trenton, N.J. 08625

INORGANIC CHEMICAL ANALYSIS INPUT FORM

Name Wharton Water Dept
Address 10 ROBERT STREET
City Wharton
State New Jersey Zip 07885

Location at which sample collected:
Address MEAL #3 Eileen CT
City Wharton
County MORRIS

PWS ID# 1 4 3 9 0 0 1 IN
Plant Name Wharton Water Dept
Laboratory ID# 1 4 1 1 6
Laboratory Name ICM Laboratories

Collection Date 11/16/88
Sample Type: D
Collected by Clyde A Canfield JR
Analyzed by R. H. Ditt, J. Santana, B. Berberian, K. Cowen

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	mg/l (PPM)		
1005 - Arsenic	L	0.003	206.28PPM	12/17/88
1010 - Barium	L	0.040	200.78PPM	11/23/88
1015 - Cadmium	L	0.001	213.28PPM	12/15/88
1020 - Chromium	L	0.010	200.78PPM	11/23/88
1025 - Fluoride		0.2	340.18PPM	11/22/88
1030 - Lead	L	0.004	239.28PPM	11/30/88
1035 - Mercury	L	0.001	245.18PPM	12/15/88
1040 - Nitrate (as N)		0.3	353.28PPM	11/19/88
1045 - Selenium	L	0.003	270.28PPM	11/30/88
1050 - Silver	L	0.005	200.78PPM	11/23/88
1052 - Sodium		30.5	200.78PPM	11/23/88

Form prepared by: Owner/Operator or Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield Jr
Signature of Representative

12/28/88
Date

(201) 366-3593
Phone #

Note: See reverse side for analysis methods and sample type key.

New Jersey Department of Environmental Protection
Division of Water Resources — Bureau of Safe Drinking Water
CN 029, Trenton, N.J. 08625

ORGANIC CHEMICAL ANALYSIS INPUT FORM

Name Wharton water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #3
City Wharton
County Morris County

PWS ID# 1439001 **OR**
Plant Name Well #3 #
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Cantfield JR
Analyzed by S. David Roberts.

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	Mg/l (PPB)		
2005 - Endrin	<	0.10	SM 509 A	1/12/90
2010 - Lindane	<	0.05	SM 509 A	1/12/90
2015 - Methoxychlor	<	0.51	SM 509 A	1/12/90
2020 - Toxaphene	<	2.0	SM 509 A	1/12/90
2105 - 2,4-D	<	0.05	SM 509 B	1/15/90
2110 - 2,4,5-TP Silvex	<	0.01	SM 509 B	1/15/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A Cantfield JR
Print Name

Clyde A Cantfield JR
Signature of Representative

2/1/90
Date

201) 366-3593
Phone #

SAMPLE TYPE

C - Check Sample
D - Regular Distribution System Sample
M - Maximum Residence Time for THMs

P - Plant Tap (Treated Water) Sample
R - Raw Water (Untreated) Sample
S - Special Sample

026 26 890

EPA ANALYSIS METHODS FOR ORGANICS

Indicate the Analysis Method # for the appropriate approved method as referenced in the Federal Register, 141.24 (e) & (f)

or

Equivalent as determined by USEPA and certified by the NJDEP Office of Quality Assurance.

New Jersey Department of Environmental Protection
Division of Water Resources — Bureau of Safe Drinking Water
CN 029, Trenton, N.J. 08625

ORGANIC CHEMICAL ANALYSIS INPUT FORM

Name Wharton water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address well #2
City Wharton
County Morris County

PWS ID# 1439001 OR

Plant Name Well #2 #

Laboratory ID# 14116

Laboratory Name JCM Laboratories

Collection Date 1/3/90

Sample Type: R

Collected by Clyde A Canfield JR

Analyzed by S. David Roberts

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	µg/l (PPB)		
2005 - Endrin	<	0.10	SM 509A	1/12/90
2010 - Lindane	<	0.05	SM 509A	1/12/90
2015 - Methoxychlor	<	0.51	SM 509A	1/12/90
2020 - Toxaphene	<	2.0	SM 509A	1/12/90
2105 - 2,4-D	<	0.05	SM 509B	1/15/90
2110 - 2,4,5-TP Silvex	<	0.01	SM 509B	1/15/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield JR
Signature of Representative

2/1/90
Date

(201) 366-3593
Phone #

SAMPLE TYPE

C - Check Sample
D - Regular Distribution System Sample
M - Maximum Residence Time for THMs

P - Plant Tap (Treated Water) Sample
R - Raw Water (Untreated) Sample
S - Special Sample

EPA ANALYSIS METHODS FOR ORGANICS

Indicate the Analysis Method # for the appropriate approved method as referenced in the Federal Register, 141.24 (e) & (f)

or

Equivalent as determined by USEPA and certified by the NJDEP Office of Quality Assurance.

111273

New Jersey Department of Environmental Protection
Division of Water Resources — Bureau of Safe Drinking Water
CN 029, Trenton, N.J. 08625

ORGANIC CHEMICAL ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well # 1
City Wharton
County Morris County

PWS ID# 1439001 OR

Plant Name Well # 1 #

Laboratory ID# 14116

Laboratory Name ICM Laboratories

Collection Date 1/5/90

Sample Type: R

Collected by Clyde A Canfield JR

Analyzed by S. David Roberts

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (e)	µg/l (PPB)		
2005 - Endrin	<	0.10	Sm 509 A	1/12/90
2010 - Lindane	<	0.05	Sm 509 A	1/12/90
2015 - Methoxychlor	<	0.51	Sm 509 A	1/12/90
2020 - Toxaphene	<	2.0	Sm 509 A	1/12/90
2105 - 2,4-D	<	0.05	Sm 509 B	1/15/90
2110 - 2,4,5-TP Silvex	<	0.01	Sm 509 B	1/15/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield JR
Signature of Representative

2/1/90
Date

(201) 366-3593
Phone #

SAMPLE TYPE

C - Check Sample
D - Regular Distribution System Sample
M - Maximum Residence Time for THMs

P - Plant Tap (Treated Water) Sample
R - Raw Water (Untreated) Sample
S - Special Sample

FEB 26 1990

EPA ANALYSIS METHODS FOR ORGANICS

Indicate the Analysis Method # for the appropriate approved method as referenced in the Federal Register, 141.24 (e) & (f)

or

Equivalent as determined by USEPA and certified by the NJDEP Office of Quality Assurance.

SECONDARY SUBSTANCES ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #3
City Wharton
County Morris County

PWS ID# 1439001 SC
Plant Name Well #3 #
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Canfield JR
Analyzed by M. Cordova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign ($</>$)	mg/l * (PPM)		
1905 - Color	$<$	10	SM 204A	1/3/90
1095 - Zinc	$<$	0.020	EPA 200.7	1/5/90
1920 - Odor	$<$	1	SM 207	1/3/90
2905 - ABS/L.A.S.	$<$	0.1	SM 512B	1/4/90
1017 - Chloride		56	EPA 325.2	1/5/90
1022 - Copper	$<$	0.025	EPA 200.7	1/5/90
1916 - Hardness (as CaCO_3)		199	EPA 200.7	1/5/90
1028 - Iron	$<$	0.030	EPA 200.7	1/5/90
1032 - Manganese	$<$	0.015	EPA 200.7	1/5/90
1055 - Sulfate		15	EPA 375.4	1/5/90
1930 - Total Dissolved Solids		290	SM 209B	1/4/90
- Corrosivity		0.0	SM 203	1/3/90
pH		7.58	SM 423	1/3/90
Alkalinity		170	SM 403	1/3/90
Calcium		44	SM 311C	1/3/90

*Determinations in ppm (mg/l) except color (CU), odor (TON), corrosivity, pH, and temperature ($^{\circ}\text{F}$)

FEB 26 1990

Form prepared by: Owner/Operator or ✓ Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield JR
Signature of Representative

2/1/90
Date

(201) 366-3593
Phone Number

SECONDARY SUBSTANCES ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #2
City Wharton
County Morris County

PWS ID: 1439001 SC
Plant Name Well #2
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Cantfield JR
Analyzed by m. cordova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (+/-)	mg/l (PPM) *		
1905 - Color	<	10	SM 204A	1/3/90
1095 - Zinc	<	0.020	EPA 200.7	1/5/90
1920 - Odor	<	1	SM 207	1/3/90
2905 - ABS/L.A.S.	<	0.1	SM 512B	1/3/90
1017 - Chloride		38	EPA 325.2	1/5/90
1022 - Copper	<	0.025	EPA 200.7	1/5/90
1916 - Hardness (as CaCO ₃)		114	EPA 200.7	1/5/90
1028 - Iron		0.090	EPA 200.7	1/5/90
1032 - Manganese	<	0.015	EPA 200.7	1/5/90
1055 - Sulfate		13	EPA 375.4	1/5/90
1930 - Total Dissolved Solids		203	SM 209B	1/4/90
- Corrosivity	-	0.2	SM 203	1/3/90
pH		7.82	SM 423	1/3/90
Alkalinity		113	SM 403	1/3/90
Calcium		24	SM 311C	1/3/90

*Determinations in ppm (mg/l) except color (CU), odor (TON), corrosivity, pH, and temperature (° F)

FEB 26 1990

Form prepared by: Owner/Operator or Laboratory

Clyde A Cantfield JR Clyde A Cantfield JR 2/1/90
Print Name Signature of Representative Date

(201) 366-3593
Phone Number

NOTE: See reverse side for sample type key.

111283

SECONDARY SUBSTANCES ANALYSIS INPUT FORM

Name Wharton Water Dept
Address 180 W. Central Ave
City Wharton
State NJ Zip 08855

Location at which sample collected:

Address Well #1
City Wharton
County Morris County

PWS ID# 1439001 SC
Plant Name Well #1 # —
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Canfield JR
Analyzed by M. Cordova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (</-)	mg/l (PPM) *		
1905 - Color	L	10	Sm 204A	1/3/90
1095 - Zinc		0.026	EPA 200.7	1/5/90
1920 - Odor	L	1	Sm 207	1/3/90
2905 - ABS/L.A.S.	L	0.1	Sm 512B	1/4/90
1017 - Chloride		25	EPA 325.2	1/5/90
1022 - Copper	L	0.025	EPA 200.7	1/5/90
1916 - Hardness (as CaCO ₃)		124	EPA 200.7	1/5/90
1028 - Iron	L	0.050	EPA 200.7	1/5/90
1032 - Manganese	L	0.015	EPA 200.7	1/5/90
1055 - Sulfate		13	EPA 375.4	1/5/90
1930 - Total Dissolved Solids		177	Sm 209B	1/4/90
- Corrosivity	-	0.2	Sm 203	1/3/90
pH		7.78	Sm 423	1/3/90
Alkalinity		112	Sm 403	1/3/90
Calcium		26	Sm 311C	1/3/90

*Determinations in ppm (mg/l) except color (CU), odor (TON), corrosivity, pH, and temperature (° F)

Form prepared by: — (owner/Operator or ✓ Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield JR
Signature of Representative

21/1/90
Date

(201) 366-3593
Phone Number

REV 2 6 1990

PERIODIC HAZARDOUS CONTAMINANT (A-280) ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 150 W. Central Ave
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address well # 1
City Wharton
County Morris County

PWS ID# 1439001 HZ
Plant Name Well #1 # 01
Laboratory ID# 14116
Laboratory Name ICM Laboratories

Collection Date 1/13/90

Sample Type: R

Collected by Clyde A Cantie Id JR

Analyzed by J. Kusterer & S. David Roberts

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	ug/l (PPB)		
2984 — Trichloroethylene *		3	502.1	1/16/90
2987 — Tetrachloroethylene	<	0.5	502.1	1/16/90
2982 — Carbon Tetrachloride	<	0.5	502.1	1/16/90
2981 — 1,1,1 - Trichloroethane	<	0.5	502.1	1/16/90
2980 — 1,2 - Dichloroethane	<	0.5	502.1	1/16/90
2976 — Vinyl Chloride	<	0.5	502.1	1/16/90
2964 — Methylene Chloride	<	0.5	502.1	1/16/90
2990 — Benzene	<	0.5	502.1	1/16/90
2989 — Chlorobenzene	<	0.5	502.1	1/16/90
2401 — Total Dichlorobenzenes*	<	0.5	503.1	1/17/90
2378 — 1,2,4 - Trichlorobenzene	<	0.5	503.1	1/17/90
2977 — 1,1 - Dichloroethylene	<	0.5	502.1	1/16/90
2380 — cis - 1,2 - Dichloroethylene	<	0.5	502.1	1/16/90
2979 — trans - 1,2 - Dichloroethylene	<	0.5	502.1	1/16/90
2955 — Total Xylenes*	<	0.5	503.1	1/17/90
2383 — Total Polychlorinated Biphenyls*	<	0.5	505	1/15/90
2959 — Chlordane	<	0.5	505	1/15/90

* See note on the back of this form if detectable levels are found.

Form prepared by: Owner/Operator or ☒ Laboratory

I certify that this water sample was collected and analyzed in accordance with approved procedures established by the New Jersey Department of Environmental Protection from the location described above.

Clyde A Cantie Id JR Clyde A Cantie Id JR 2/1/90
Print Name Signature Date

NOTE: See reverse side for analysis method numbers and sample type key.

FEB 26 1990

PERIODIC HAZARDOUS CONTAMINANT (A-280) ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 180 W. Central Ave
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well # 2
City Wharton
County Morris County

PWS ID# 1 4 3 9 0 0 1 **HZ**
Plant Name Well #2 # 0 1
Laboratory ID# 1 4 1 1 6
Laboratory Name Icm Laboratories
Collection Date 1 1 3 1 9 0
Sample Type: R
Collected by Clyde A Cantfield JR
Analyzed by J. Kusterer & S.D. Roberts

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (\leq)	ug/l (PPB)		
2984 — Trichloroethylene (*)		2	502.1	1/16/90
2987 — Tetrachloroethylene	<	0.5	502.1	1/16/90
2982 — Carbon Tetrachloride	<	0.5	502.1	1/16/90
2981 — 1,1,1 - Trichloroethane	<	0.5	502.1	1/16/90
2980 — 1,2 - Dichloroethane	<	0.5	502.1	1/16/90
2976 — Vinyl Chloride	<	0.5	502.1	1/16/90
2964 — Methylene Chloride	<	0.5	502.1	1/16/90
2990 — Benzene	<	0.5	502.1	1/16/90
2989 — Chlorobenzene	<	0.5	502.1	1/16/90
2401 — Total Dichlorobenzenes*	<	0.5	503.1	1/17/90
2378 — 1,2,4 - Trichlorobenzene	<	0.5	503.1	1/17/90
2977 — 1,1 - Dichloroethylene	<	0.5	502.1	1/16/90
2380 — cis - 1,2 - Dichloroethylene	<	0.5	502.1	1/16/90
2979 — trans - 1,2 - Dichloroethylene	<	0.5	502.1	1/16/90
2955 — Total Xylenes*	<	0.5	503.1	1/17/90
2383 — Total Polychlorinated Biphenyls*	<	0.5	505	1/15/90
2959 — Chlordane	<	0.5	505	1/15/90

* See note on the back of this form if detectable levels are found.

Form prepared by: Owner/Operator or ☒ Laboratory

I certify that this water sample was collected and analyzed in accordance with approved procedures established by the New Jersey Department of Environmental Protection from the location described above.

Clyde A Cantfield JR
Print Name

Clyde A Cantfield JR
Signature

2 1 1 1 9 0
Date

NOTE: See reverse side for analysis method numbers and sample type key.

PERIODIC HAZARDOUS CONTAMINANT (A-280) ANALYSIS INPUT FORM

Name Wharton Water Dept.
Address 180 W. Central Ave.
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #3
City Wharton
County Morris County

PWS ID# 1439001 **HZ**

Plant Name Well #3 # 02

Laboratory ID# 14116

Laboratory Name ICM Laboratories

Collection Date 1/13/90

Sample Type: R

Collected by Clyde A. Canfield JR

Analyzed by J. Kusterer & S.D. Roberts

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (-)	ug/l (PPB)		
2984 — Trichloroethylene	<	0.5	502.1	1/17/90
2987 — Tetrachloroethylene	<	0.5	502.1	1/17/90
2982 — Carbon Tetrachloride	<	0.5	502.1	1/17/90
2981 — 1,1,1 - Trichloroethane	<	0.5	502.1	1/17/90
2980 — 1,2 - Dichloroethane	<	0.5	502.1	1/17/90
2976 — Vinyl Chloride	<	0.5	502.1	1/17/90
2964 — Methylene Chloride	<	0.5	502.1	1/17/90
2990 — Benzene	<	0.5	502.1	1/17/90
2989 — Chlorobenzene	<	0.5	502.1	1/17/90
2401 — Total Dichlorobenzenes*	<	0.5	503.1	1/18/90
2378 — 1,2,4 - Trichlorobenzene	<	0.5	503.1	1/18/90
2977 — 1,1 - Dichloroethylene	<	0.5	502.1	1/17/90
2380 — cis - 1,2 - Dichloroethylene	<	0.5	502.1	1/17/90
2979 — trans - 1,2 - Dichloroethylene	<	0.5	502.1	1/17/90
2955 — Total Xylenes*	<	0.5	503.1	1/18/90
2383 — Total Polychlorinated Biphenyls*	<	0.5	505	1/15/90
2959 — Chlordane	<	0.5	505	1/15/90

* See note on the back of this form if detectable levels are found.

Form prepared by: Owner/Operator or ☒ Laboratory

I certify that this water sample was collected and analyzed in accordance with approved procedures established by the New Jersey Department of Environmental Protection from the location described above.

Clyde A. Canfield JR
Print Name

Clyde A. Canfield JR
Signature

2/1/90
Date

NOTE: See reverse side for analysis method numbers and sample type key.

FEB 26 1990

INORGANIC CHEMICAL ANALYSIS FORM

Name Wharton Water Dept.
Address 180 W. Central Ave
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #1
City Wharton
County Morris County

PWS ID# 1439001 IN
Plant Name Well #1 # 01
Laboratory ID# 14116
Laboratory Name JCM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A. Cantfield JR
Analyzed by M. Cordova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	mg/l (PPM)		
1005 - Arsenic	<	0.004	206.2 EPA	1/4/90
1010 - Barium	<	0.010	200.7 EPA	1/5/90
1015 - Cadmium	<	0.005	200.7 EPA	1/5/90
1020 - Chromium	<	0.010	200.7 EPA	1/5/90
1025 - Fluoride		0.1	340.2 EPA	1/4/90
1030 - Lead	<	0.004	239.2 EPA	1/9/90
1035 - Mercury	<	0.0005	245.1 EPA	1/9/90
1040 - Nitrate (as N)		0.9	353.2 EPA	1/5/90
1045 - Selenium	<	0.004	270.2 EPA	1/5/90
1050 - Silver	<	0.010	200.7 EPA	1/5/90
1052 - Sodium		17.5	273.1 EPA	1/5/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A. Cantfield JR
Print Name

Clyde A. Cantfield JR
Signature of Representative

2/1/90
Date

(201) 366-3593
Phone #

Note: See reverse side for analysis methods and sample type key.

FEB 26 1990

INORGANIC CHEMICAL ANALYSIS FORM

Name Wharton Water Dept
Address 180 W. Central Ave
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #2
City Wharton
County Morris County

PWS ID# 1439001 IN
Plant Name Well #2 # 01
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Canfield/JR
Analyzed by M. Cordova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	mg/l (PPM)		
1005 - Arsenic	<	0.004	206.2 EPA	1/4/90
1010 - Barium	<	0.010	200.7 EPA	1/5/90
1015 - Cadmium	<	0.005	200.7 EPA	1/5/90
1020 - Chromium	<	0.010	200.7 EPA	1/5/90
1025 - Fluoride		0.1	340.2 EPA	1/4/90
1030 - Lead	<	0.004	239.2 EPA	1/9/90
1035 - Mercury	<	0.0005	245.1 EPA	1/8/90
1040 - Nitrate (as N)		0.9	353.2 EPA	1/5/90
1045 - Selenium	<	0.004	270.2 EPA	1/5/90
1050 - Silver	<	0.010	200.7 EPA	1/5/90
1052 - Sodium		30.1	273.1 EPA	1/5/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A Canfield/JR
Print Name

Clyde A Canfield/JR
Signature of Representative

2/1/90
Date

(201) 366-3593
Phone #

Note: See reverse side for analysis methods and sample type key.

FEB 20 1990

INORGANIC CHEMICAL ANALYSIS FORM

Name Wharton Water Dept.
Address 180 W. Central Ave
City Wharton
State NJ Zip 07885

Location at which sample collected:

Address Well #3
City Wharton
County Morris County

PWS ID# 1439001 IN
Plant Name Well #3 # 02
Laboratory ID# 14116
Laboratory Name ICM Laboratories
Collection Date 1/3/90
Sample Type: R
Collected by Clyde A Canfield JR
Analyzed by M. Cardova

Contaminant ID and Name	Analysis Results		Analysis Method #	Analysis Date
	Sign (<)	mg/l (PPM)		
1005 - Arsenic	<	0.004	206.2 EPA	1/4/90
1010 - Barium		0.021	200.7 EPA	1/5/90
1015 - Cadmium	<	0.005	200.7 EPA	1/5/90
1020 - Chromium	<	0.010	200.7 EPA	1/5/90
1025 - Fluoride		0.1	340.2 EPA	1/4/90
1030 - Lead	<	0.004	239.2 EPA	1/9/90
1035 - Mercury	<	0.0005	245.1 EPA	1/8/90
1040 - Nitrate (as N)		0.6	353.2 EPA	1/5/90
1045 - Selenium	<	0.004	270.2 EPA	1/5/90
1050 - Silver	<	0.010	200.7 EPA	1/5/90
1052 - Sodium		32.5	273.1 EPA	1/5/90

Form prepared by: Owner/Operator or ☒ Laboratory

Clyde A Canfield JR
Print Name

Clyde A Canfield JR
Signature of Representative

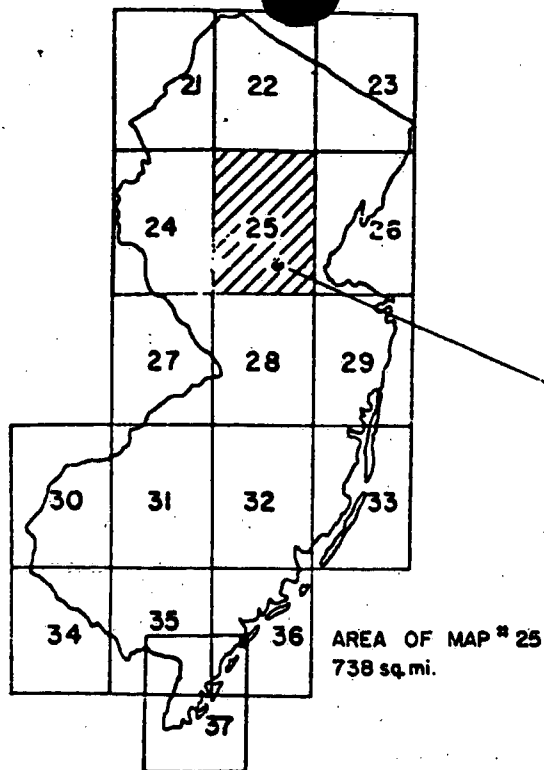
2/1/90
Date

(201) 366-3593
Phone #

Note: See reverse side for analysis methods and sample type key.

ATTACHMENT 2

LORDS Information



ATLAS SHEET 25

1	2	3	4	5
11	12	13	14	15
21	22	23	24	25
31	32	33	34	35
41	42	43	44	45

25-33

BLOCKS ON
ANY SHEET
AREA OF BLOCK DESCRIPTION
25-33, 34 sq. mi.
6' LATITUDE
6' LONGITUDE

BLOCK 33

1	2	3
4	5	6
7	8	9

25-33-8

RECTANGLES
IN ANY BLOCK
2' LATITUDE
2' LONGITUDE
ABOUT 3.8 sq. mi.

SQUARE 2

1	2	3
4	5	6
7	8	9

25-33-8-2-4

UNITS IN
ANY SQUARE
1/30 ACRES

EACH UNIT COVERS AN AREA
APPROXIMATELY 1/4 BY 3/16
MILES.

RECTANGLE 8

1	2	3
4	5	6
7	8	9

25-33-8-2

SQUARES
IN ANY
RECTANGLE
A LITTLE LESS
THAN 1/2 sq. mi.

DIAGRAM SHOWING USE OF NEW JERSEY RECTANGULAR
COORDINATE SYSTEM. TO LOCATE A FACILITY AT

25-33-8-2-4 - UNIT

SHEET / BLOCK / SQUARE / RECTANGLE

Fig. 2

1 block.



- Q. EAST BRUNSWICK
R. SAYREVILLE
S. VICTORY GARDENS
T. BERKELEY HEIGHTS
U. NORTH BRUNSWICK
V. DUNELLEN
W. MORRIS PLAINS
X. SPRINGFIELD
Y. MILLBURN**



LAND ORIENTED REFERENCE DATA SYSTEM

BULLETIN 74

**NEW JERSEY GEOLOGICAL SURVEY
BUREAU OF GEOLOGY AND TOPOGRAPHY
DIVISION OF WATER RESOURCES
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AUGUST 1974**